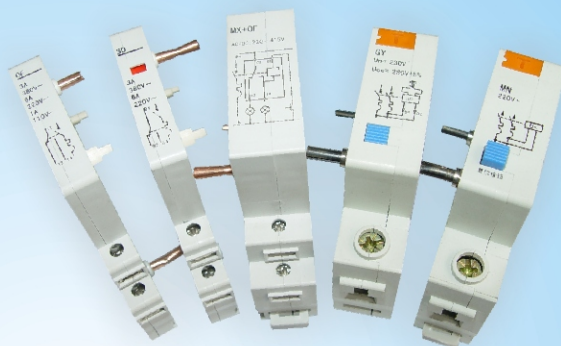


DZX2/4、GSB2系列断路器附件

DZX2/4、GSB2 Series Circuit Breaker Accessory

——配电电器产品名录 2013

安全 智能 环保



CE UL CCC TÜV CB RoHS
ISO9001 ISO14001 OHSAS18001

DZX2/4、GSB2系列断路器附件

>> 用途 APPLICATION

在使用过程中，可以根据需要选择不同的电气附件与DZX2/4、GSB2系列断路器配合，以实现断路器的远程脱扣控制、分合状态指示和线路的欠压、过压保护等功能。

In use process, can according to need choose different electrical accessories coordinate with DZX2/4、GSB2 series circuit breakers, in order to achieve remote release control, division status indicator and circuitual under voltage, over voltage protection and other functions of the circuit breaker.

DZX2/4、GSB2系列断路器附件的名称、代号及用途见表1。

DZX2/4、GSB2 series circuit breaker accessory name, code and application see (table 1)

表1 Table 1

附件名称 Accessory name	代 号 Code	用 途Application
辅助触头 Auxiliary contact	OF	提供辅助信号，控制辅助电路。 Provide auxiliary signal, control auxiliary circuit.
辅助触头 Auxiliary contact	OF2	提供辅助信号，控制辅助电路,与GSB2系列、GSG3相配。 Provide auxiliary signal, control auxiliary circuit, match. With GSB2, GSG3
报警触头 Alarm contact	SD	当断路器因被保护线路故障分断时，提供报警信号。 When circuit breaker for protected line fault breaking, provide alarm signal.
分励脱扣器 Shunt release	MX+OF	远距离分断电路，并通过辅助触头实现对辅助电路的控制。 Remote breaking circuit, and through auxiliary contact realize control to auxiliary circuit.
欠压脱扣器 Undervoltage release	MN (电子electronic)	当电源电压下降（在70%~35%之间）时，断路器脱扣，实现线路的欠电压保护。 When power supply voltage drop to (between 70% ~ 35%), circuit breaker release, realize circuitual undervoltage protection.
过压脱扣器 Overvoltage release	GY	当电源电压上升到 $280V \pm 5\%$ （或 $480V \pm 5\%$ ）时，断路器脱扣，实现线路的过电压保护。 When power supply voltage up to $280V \pm 5\%$ (or $480V \pm 5\%$), circuit breaker release, realize circuitual overvoltage protection.
过欠压脱扣器 Overvoltage and undervoltage release	GQ	当电源电压上升到 $280V \pm 5\%$ 时，断路器脱扣，实现线路的过电压保护。 When power supply voltage up to $280V \pm 5\%$, circuit breaker release, realize circuitual overvoltage protection. 当电源电压下降到60--160V）时，断路器脱扣， 实现线路的欠电压保护。 When power supply voltage drop to 60--160V, circuit breaker release, realize circuitual undervoltage protection.

>> 结构特点及采用标准

STRUCTURAL FEATURES AND ADOPT STANDARD

△ 体积小、采用模块化设计。

Small and modular design.

△ 辅助触头符合IEC60947-5-1、GB14048.5等标准。

Auxiliary contact accord with the IEC60947-5-1、GB14048.5 standard.

△ 报警触头符合IEC60947-2、GB14048.2等标准。

Alarm contact accord with the IEC60947-2, GB14048.2 standard.

- △ 分励脱扣器、欠电压脱扣器符合IEC60947-2、GB14048.2等标准。

Shunt release and undervoltage release accord with IEC60947-2、GB14048.2 standard.

>> 工作条件与安装条件

WORKING AND INSTALLATION CONDITION

- △ 环境温度：-5℃ ~ +40℃；Ambient temperature: -5℃~40℃；

- △ 海拔高度：不超过2000m；Elevation: not exceeding 2000m；

- △ 环境条件：应无会引起爆炸危险的介质，也无会腐蚀和破坏绝缘的有害气体和导电尘埃；

Environmental conditions: There must be not any explosive medium and any harmful gas and conductive dust which would corrode or destroy insulation.

- △ 安装条件：采用TH35-7.5标准卡轨安装。

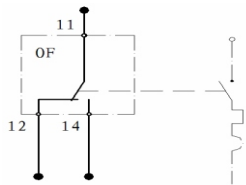
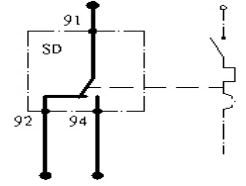
Installing condition: The TH35-7.5 standard rail track installation.

>> 主要技术参数 MAIN TECHNICAL PARAMETERS

- 辅助触头、报警触头的技术参数（见表2）

Technical parameters of auxiliary contact and alarm contact (see table 2)

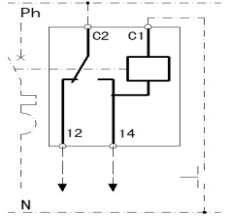
表2 Table 2

附件名称 Accessory name	额定电流 (A) Rated current (A)			每组触头数 Each group contact number	接线图 Wiring diagram
	AC: 380V	AC: 220V	DC: 110V		
辅助触头 Auxiliary contact	3	6	1	一常开 一常闭 One normally open One normally close	
报警触头 Alarm contact	3	6	1	一常开 一常闭 One normally open One normally close	

- 分励脱扣器的技术参数（见表3）

Technical parameters of shunt release (see table 3)

表3 Table 3

额定绝缘电压Ui Rated insulation voltage Ui	额定控制电源电压Us Rated control power supply voltage Us (AC/DC)	脱扣功耗 Release consumption (W或VA)	吸合电压 Pull-in voltage	接线图 Wiring diagram
415V	380 ~ 415V	710	(0.7 ~ 1.1) Us	
	220 ~ 240V	240		
	110 ~ 130V	240		
	24 ~ 48V	120		

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■ 欠电压脱扣器技术参数（见表4） Technical parameters of undervoltage release (see table 4)

分电子式和电磁式，电磁式前端接线，电子式后端接线。

Electronic and electromagnetic, the front end of the electromagnetic connection, electronic back-end connection.

表4 Table 4

额定工作电压Ue Rated operational voltage Ue	吸合电压 Pull-in voltage	释放电压 Release voltage	接线图 Wiring diagram
AC: 230V、380V	$(0.85 \sim 1.1) U_e$	$(0.35 \sim 0.7) U_e$	

■ 过压脱扣器的技术参数（见表5）

Technical parameters of overvoltage release (see table 5)

表5 Table 5

额定工作电压Ue Rated operational voltage Ue	动作电压 Action voltage	接线图 Wiring diagram
Un=230V	$280 V \pm 5\%$	
Un=380V	$480 V \pm 5\%$	

■ 过欠压脱扣器的技术参数（见表6）

Technical parameters of overvoltage and undervoltage release (see table 6)

表6 Table 6

额定工作电压Ue Rated operational voltage Ue	动作电压 Action voltage	接线图 Wiring diagram
Un=230V	过压: $280 V \pm 5\%$ 欠压: 60~160V	

>> 外形及安装尺寸

OUTLINE OVERALL AND INSTALLING DIMENSIONS

■ 辅助、报警触头、分励脱扣器外形及安装尺寸（见图1）

Outline overall and installing dimensions of auxiliary, alarm contact and shunt release (see picture 1)

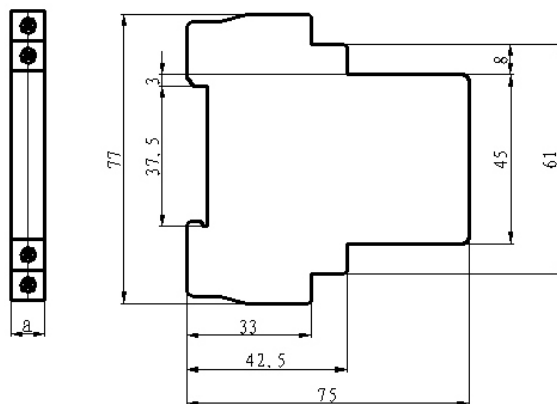


图1 Picture 1

注：辅助、报警触头a=9;分励脱扣器a=18.

Note: auxiliary and alarm contact a=9; shunt release a=18.

■ 欠压脱扣器、过压脱扣器、过欠压脱扣器外形及安装尺寸（见图2）

Outline overall and installing dimensions of undervoltage release, overvoltage release and overvoltage and undervoltage release (see picture 2)

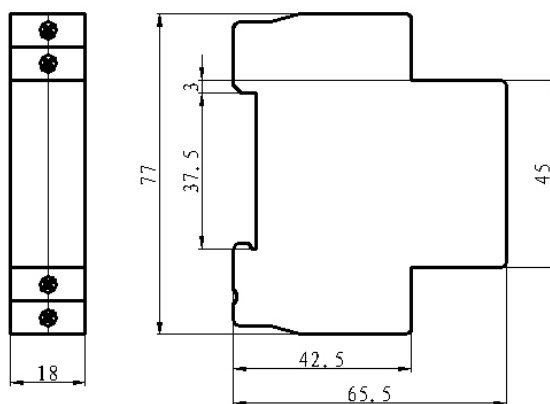


图2 Picture 2

>> 安装方式 INSTALLATION

■ 所有电气附件都加挂在断路器的侧面，具体的加装方式见表7。

All electrical accessories are linked the side of circuit breaker, the specific way see table 7.

表7 Table 7

安装方式 Installation	电气附件组合 Electrical accessory combination	备注 Remark
左装 Left	辅助触头OF/OF2 Auxiliary contact OF/OF2	—
	报警触头SD Alarm contact SD	
	报警触头SD + 辅助触头OF Alarm contact SD + Auxiliary contact OF	

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右装 Right	分励脱扣器MX+OF Shunt release MX+OF	右装附件不能同时加装， 仅可选装其一。 The right accessory can not be linked at the same time, optional one only.
	欠压脱扣器MN Undervoltage release MN	
	过压脱扣器GY Overvoltage release GY	
	过欠压脱扣器GQ Overvoltage and undervoltage release GQ	

■ 注:GSB2-63、GSB2-125、DZX2/4-60、DZX2/4-100产品上述左装、右装附件均可加装；GSB2L-63、DZX2-60L、DZX4-60L、DZX2/4-100L只可加装左装附件；GSB2L-32N、GSB2-32N、DZX2-32N/NL不可外挂任何附件;GSG3-125可配装OF2附件。

Note: GSB2-63、GSB2-125、DZX2/4-60、DZX2/4-100 products above left, right accessories all can be linked, GSB2L-63、DZX2-60L、DZX4-60L、DZX2/4-100L only can be linked left installation accessories; GSB2L-32N、GSB2-32N、DZX2-32N/NL can not be linked any accessory; GSG3-125 can be equipped with OF2 accessories.

>> 接线方式和接线能力 WIRING MODE AND ABILITY

△ 接线方式：螺钉接线

Wiring model: screw wiring

△ 接线能力：单线 2.5mm²，双线1.5mm²

Wiring ability: single line 2.5mm²，double lines 1.5mm²

>> 订货须知 ORDERING INSTRUCTION

■ 用户订货时必须指明断路器所需加装附件的名称及数量。

The user orders must specify the name and quantity of circuit breaker required for installation of accessories.

如：DZX2-60/3P 40A+OF 100台 加挂辅助触头的断路器100台

For example: DZX2-60/3P 40A+OF 100 sets The circuit breaker add auxiliary contact 100 sets.

DZX4-100/2P 80A+ (MX+OF) 10台 加挂分励带辅助触头的断路器10台

DZX4-100/2P 80A+ (MX+OF) 10 sets The circuit breaker add shunt with auxiliary contact 10 sets.